

Figure 1: Prior art

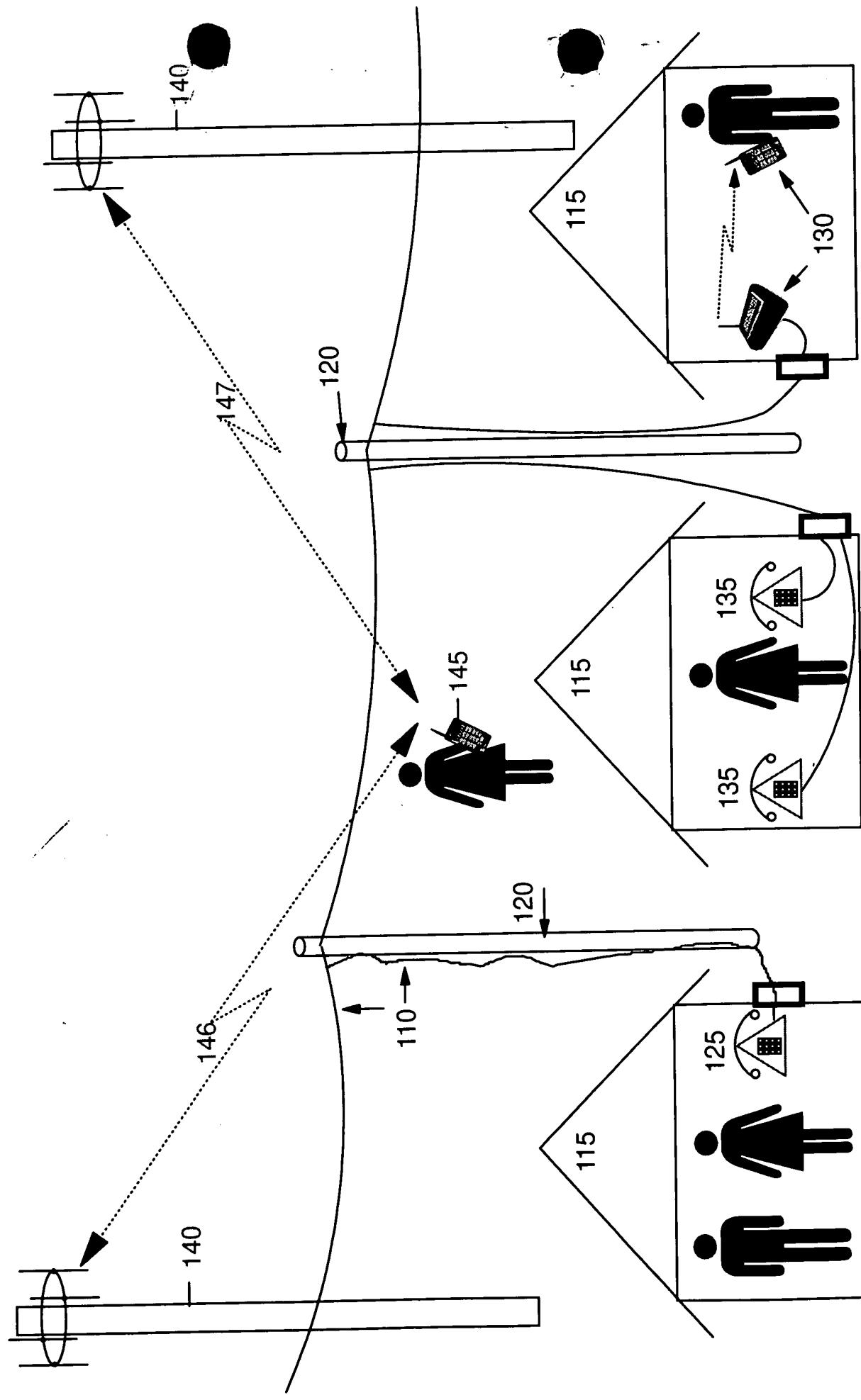
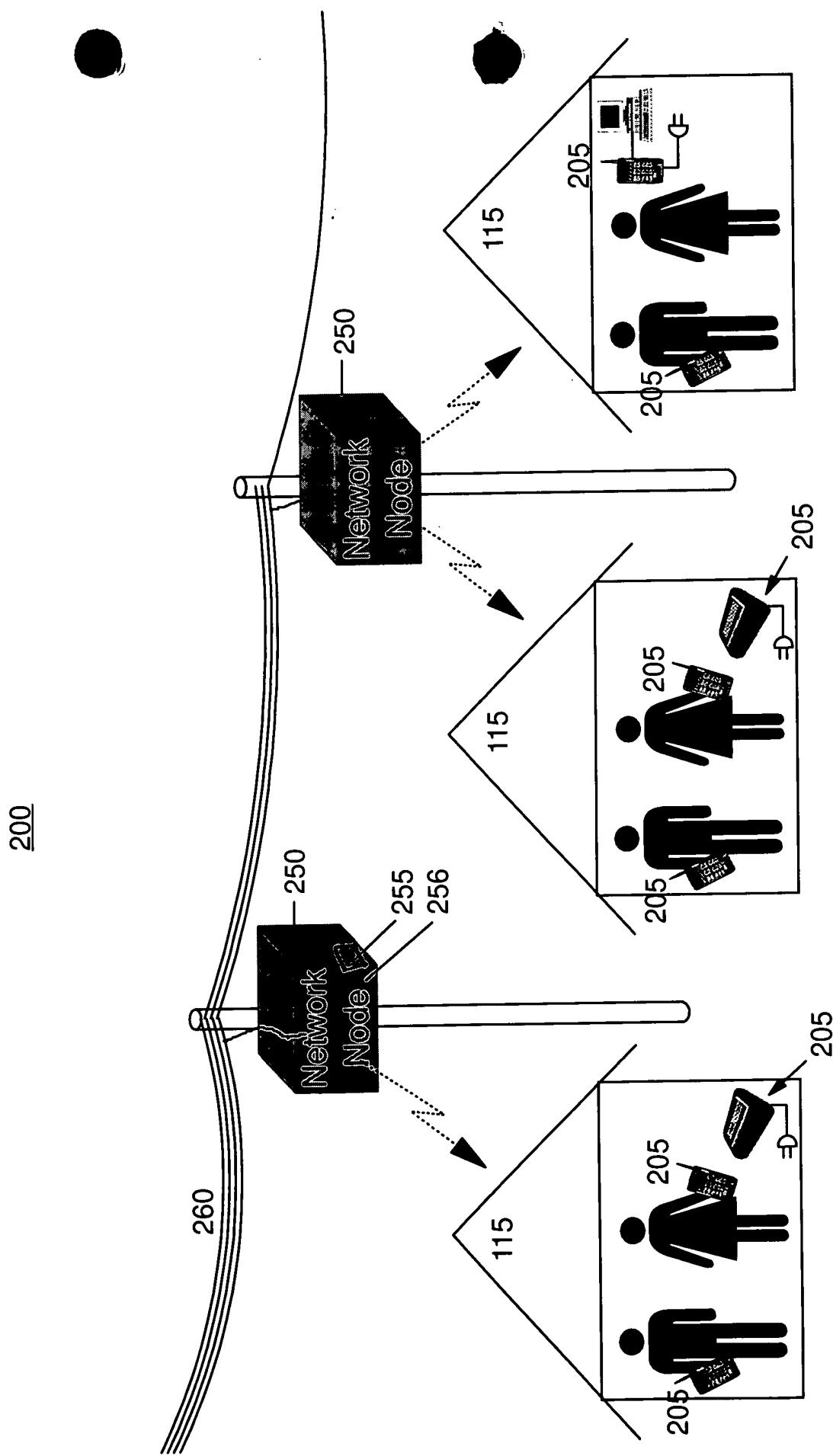
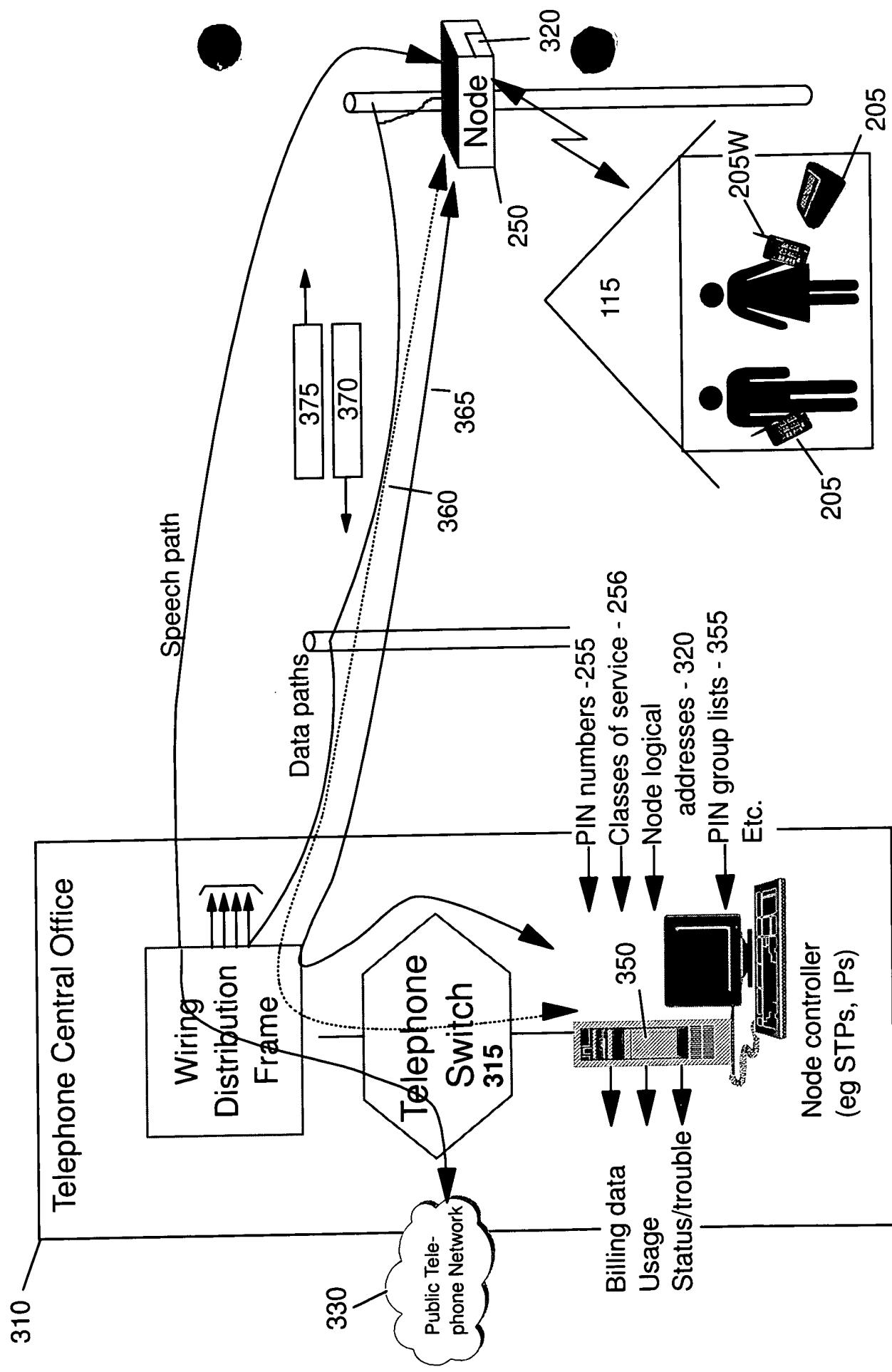


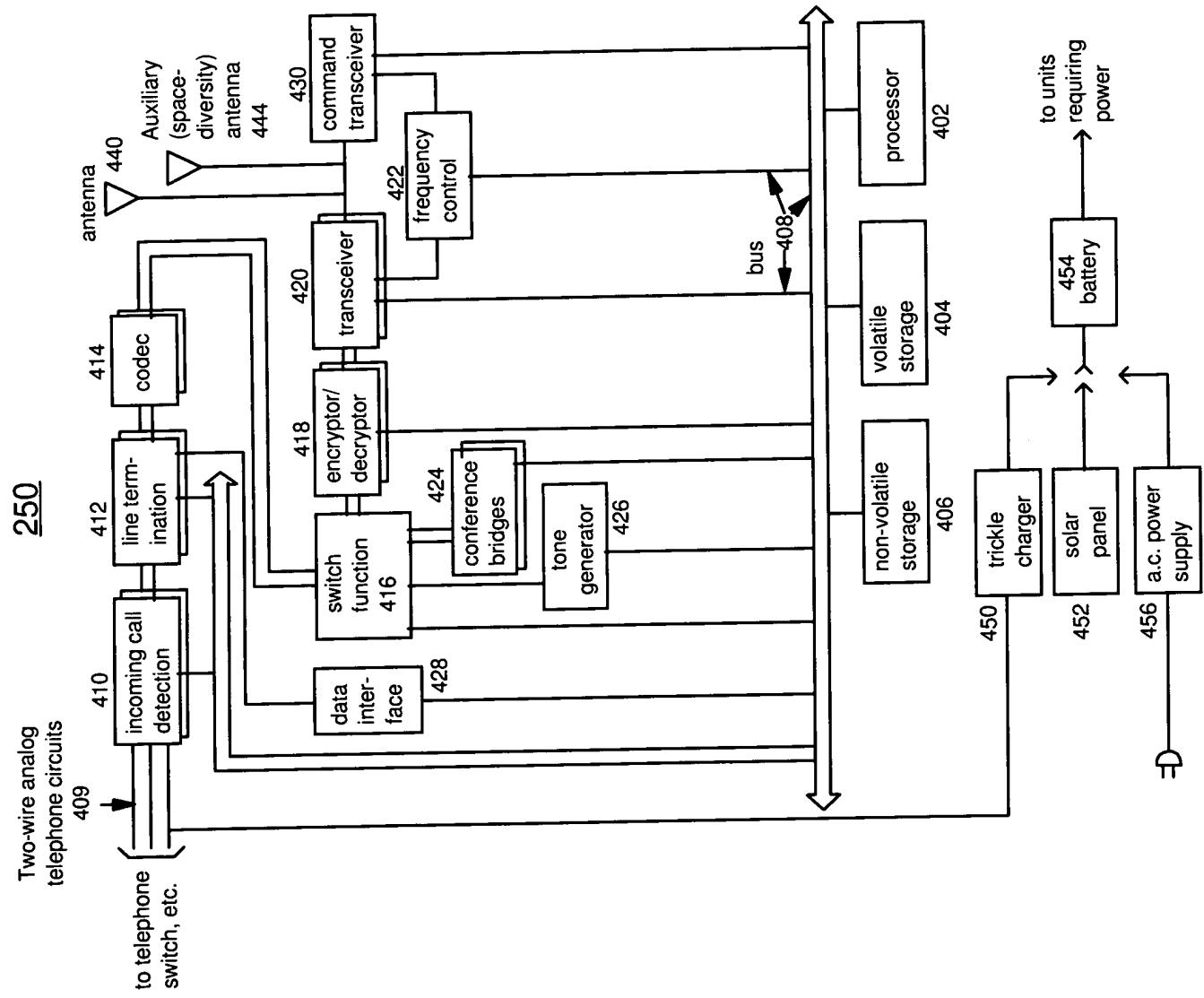
Figure 2: Inventive System with Wireless Network Node box



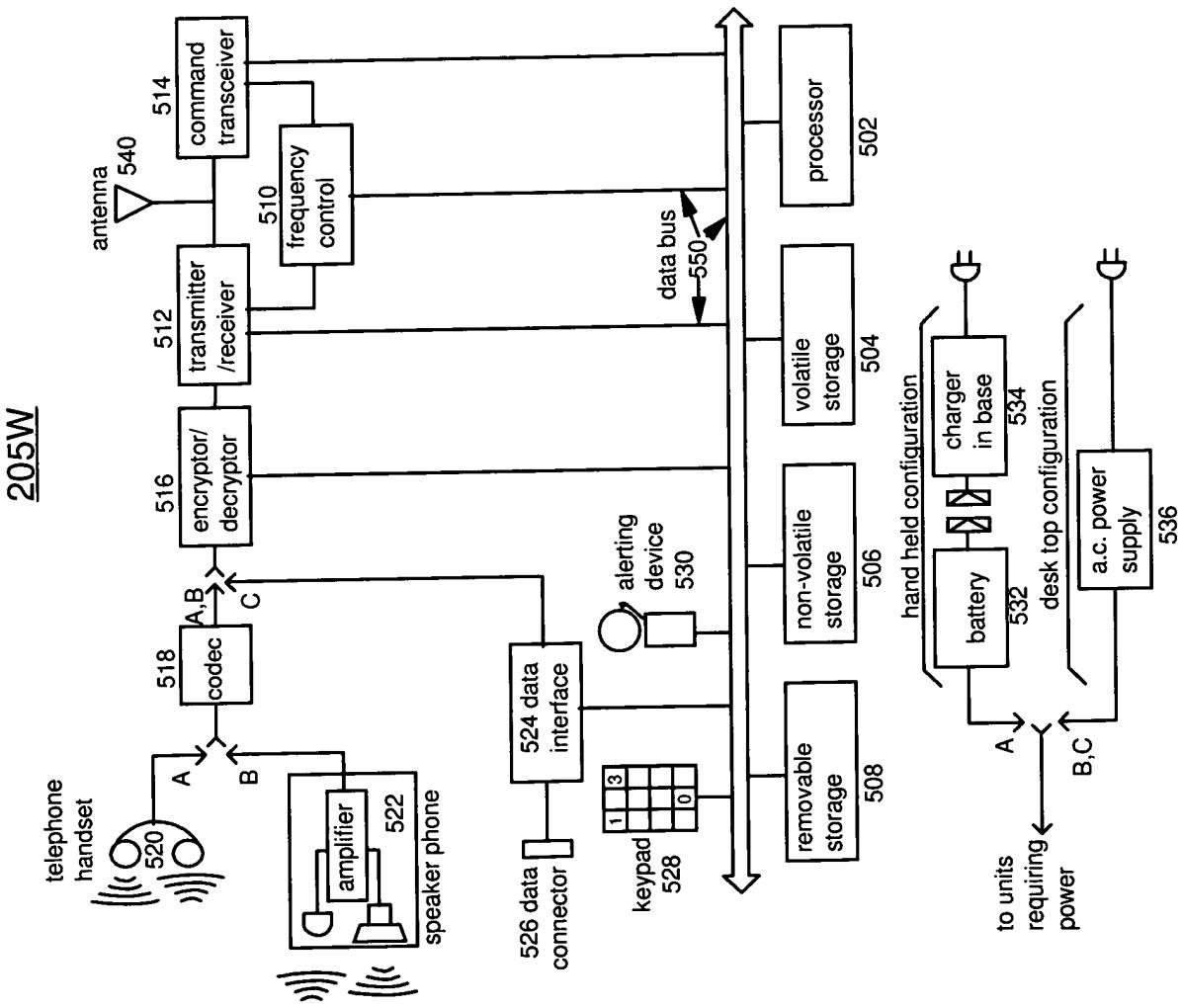
**Figure 3 - Network Node Controller**



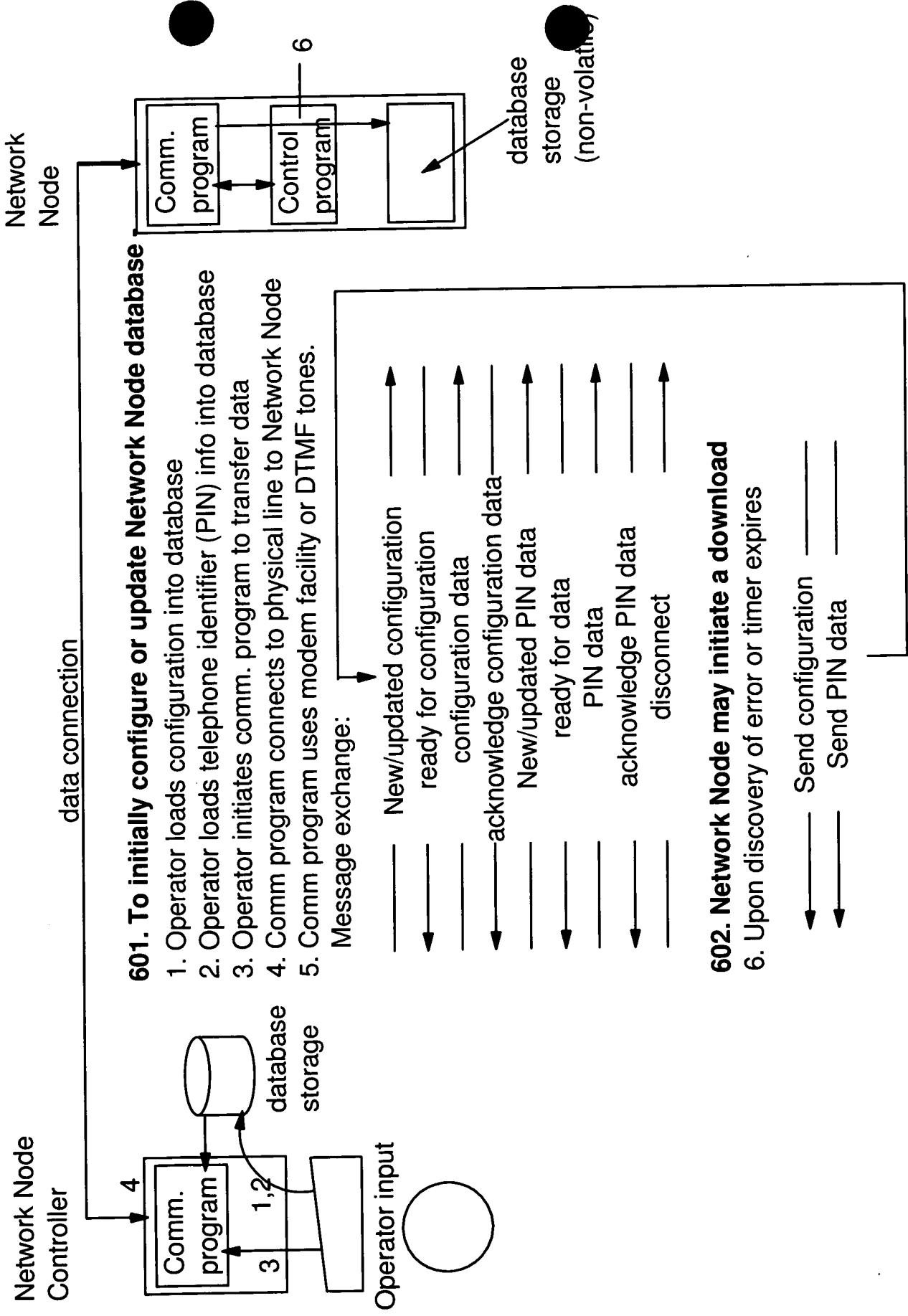
**Figure 4 Telephone network mode device**



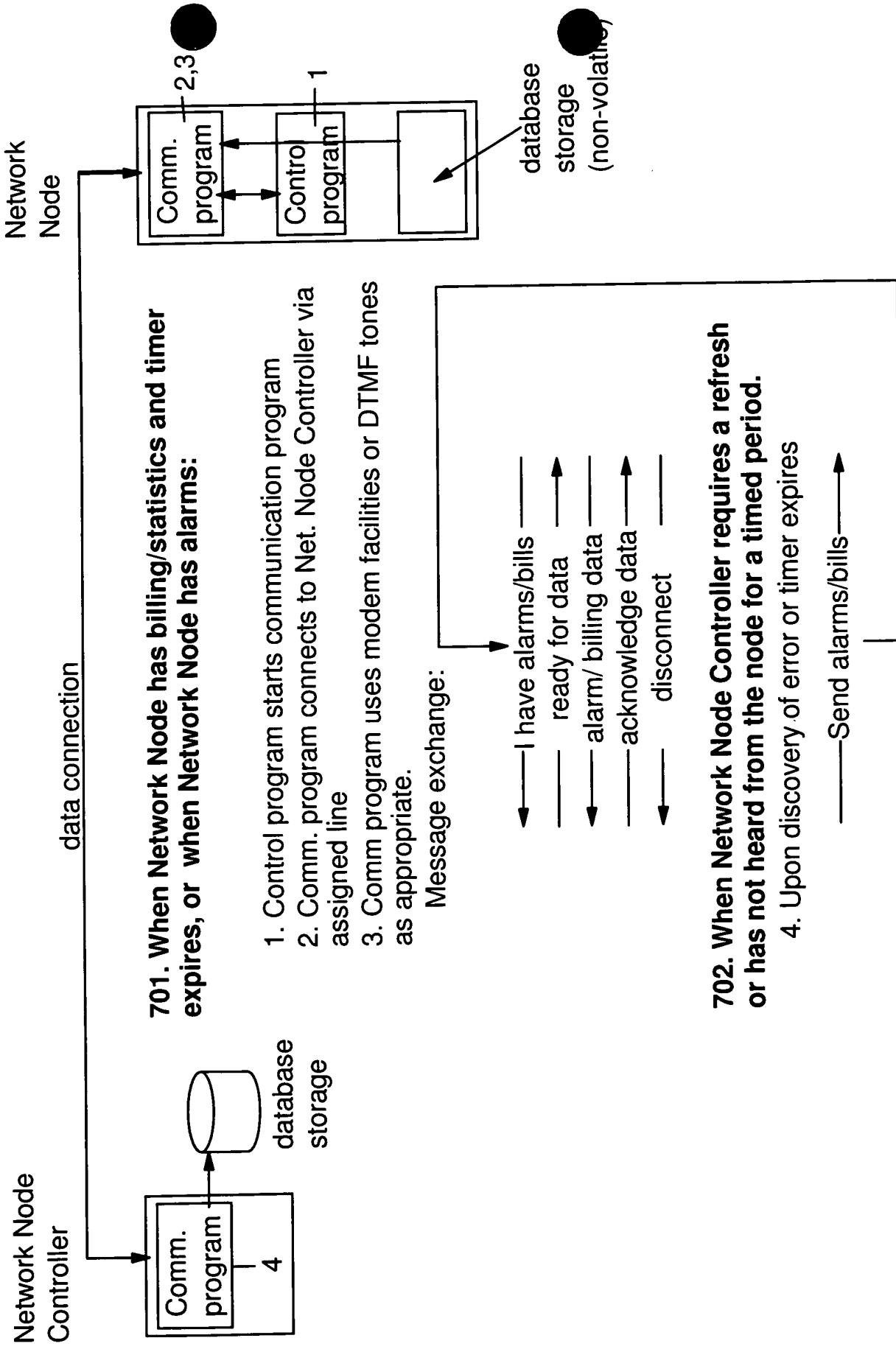
**Figure 5. Wireless communications device**



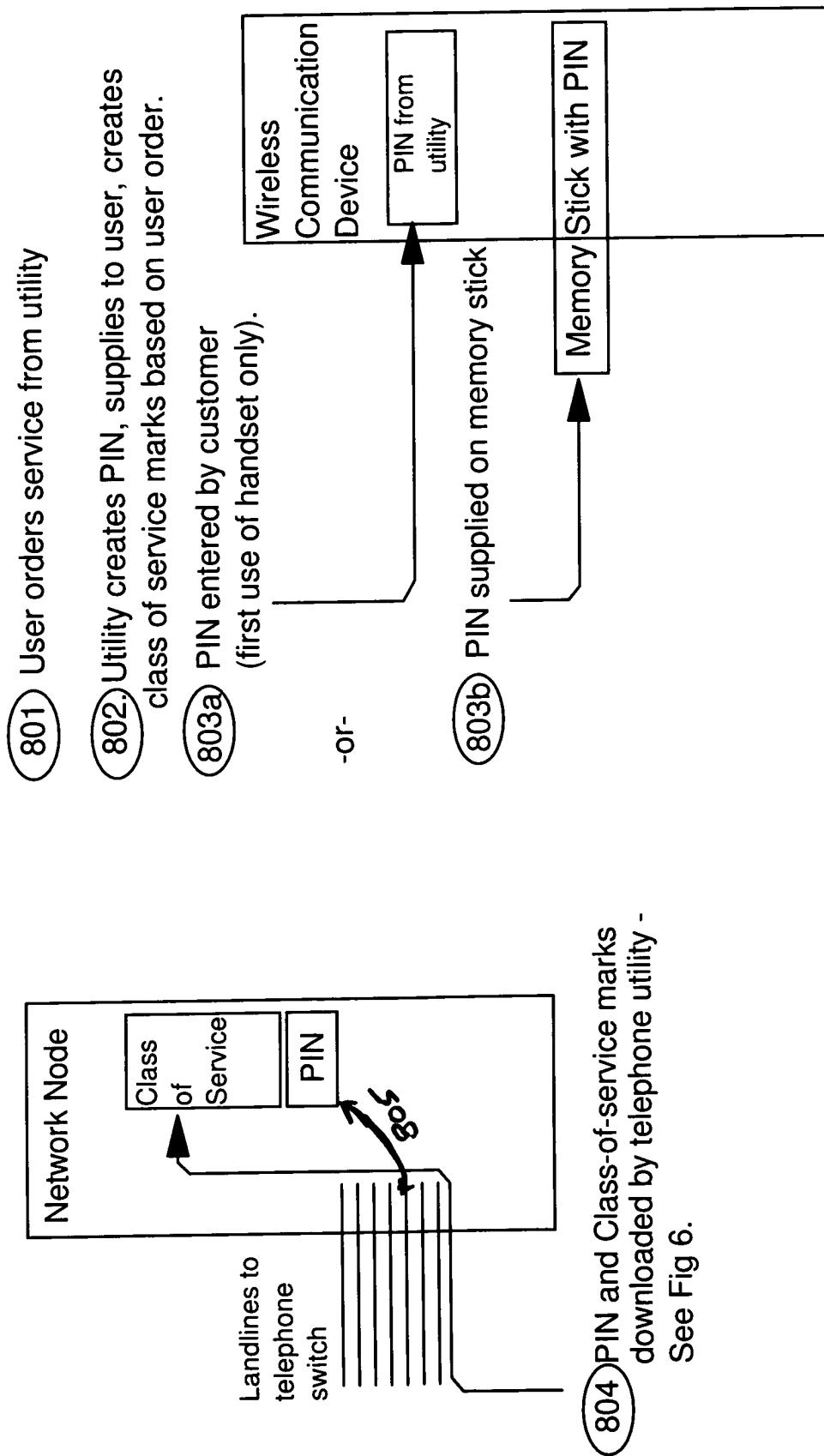
## Fig 6. Configuration & update of Network Node



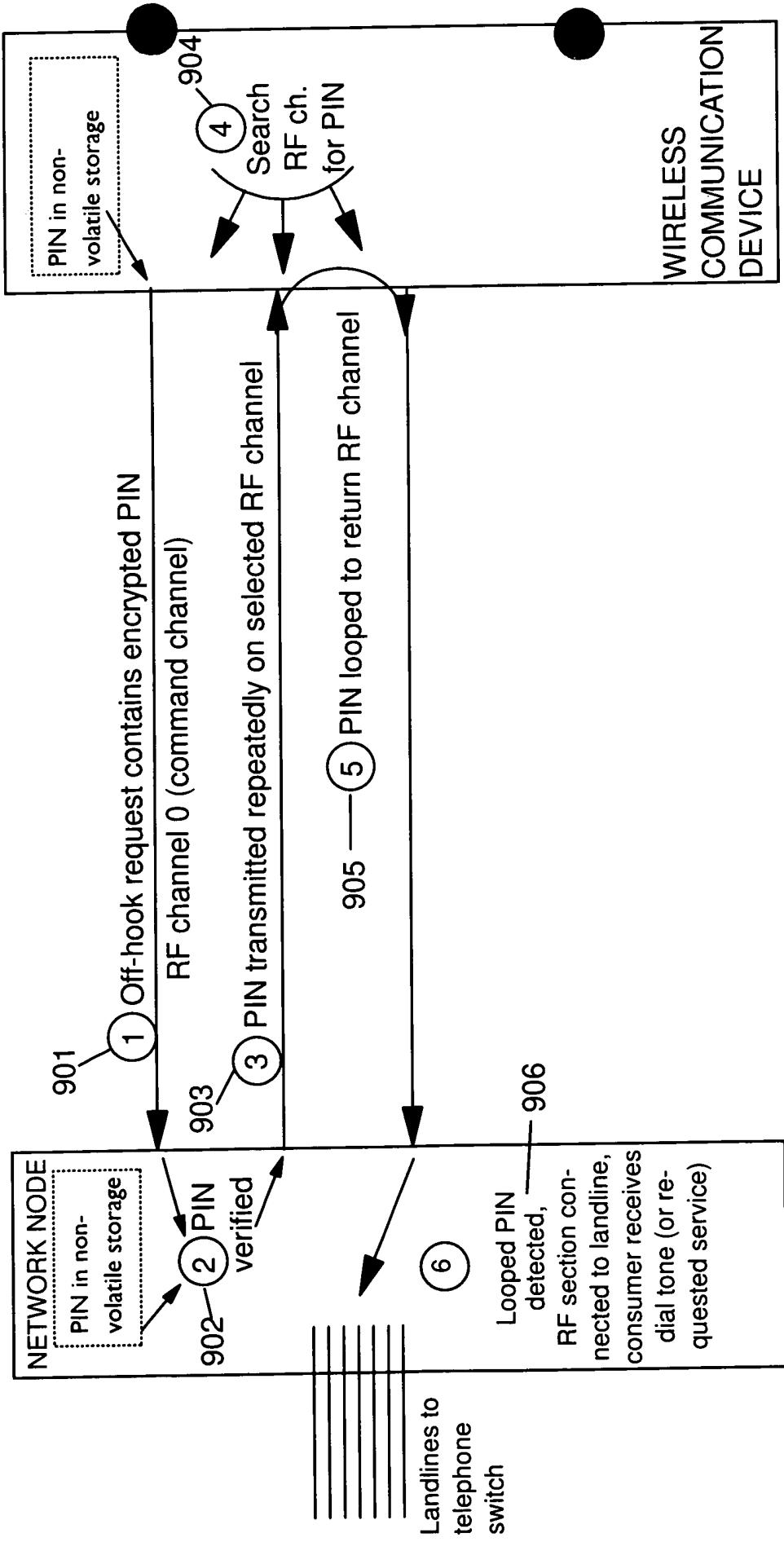
**Fig 7. Alarm & Traffic reporting to Network Node Controller**



**Figure 8. Initial setup - Network Node and Wireless Communication Device**



**Figure 9. Connection process - Wireless Comm. Device to Network Node**



## Connection process -Network node to Wireless Communication Devices

Figure 10

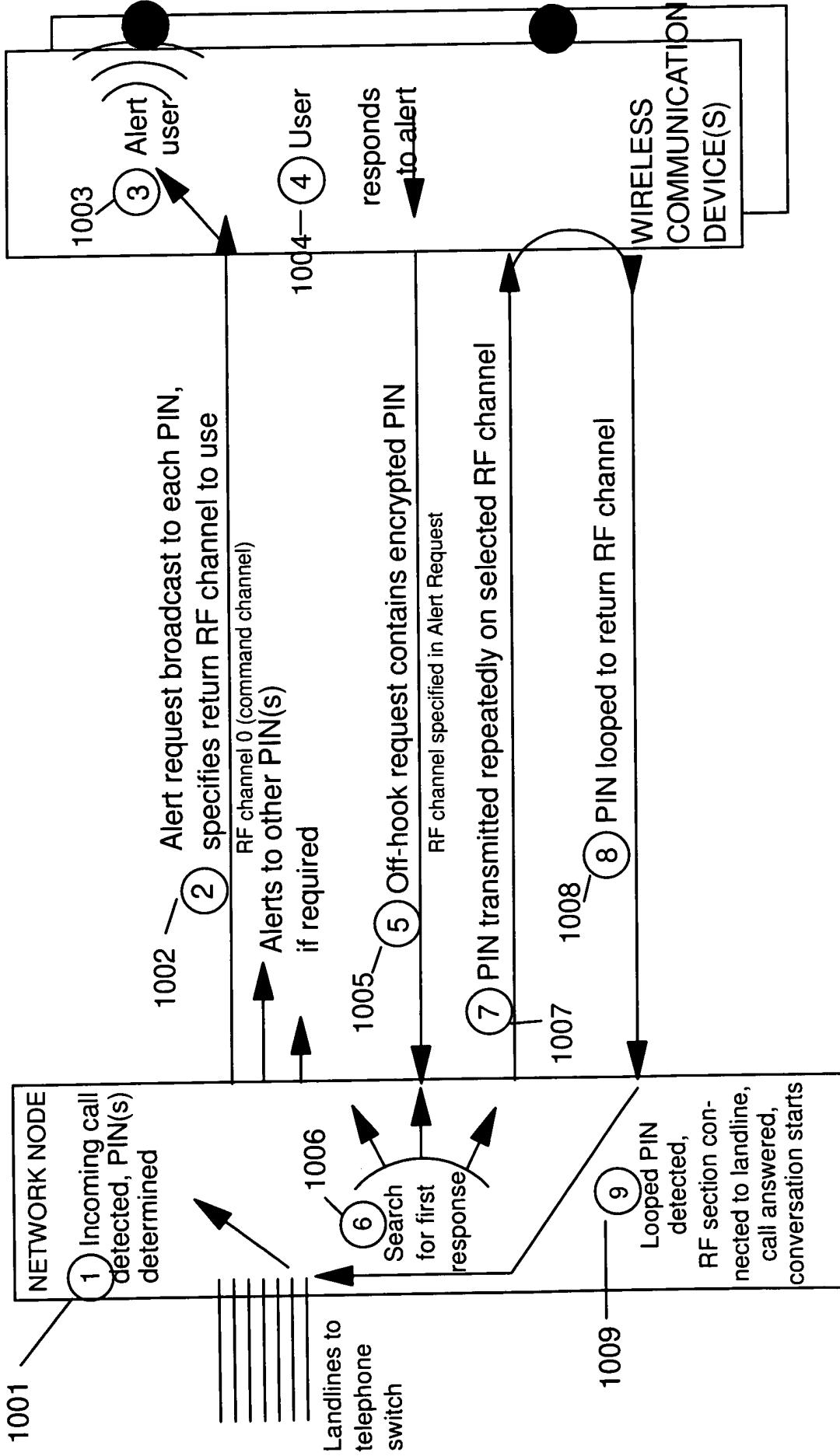


Fig.11

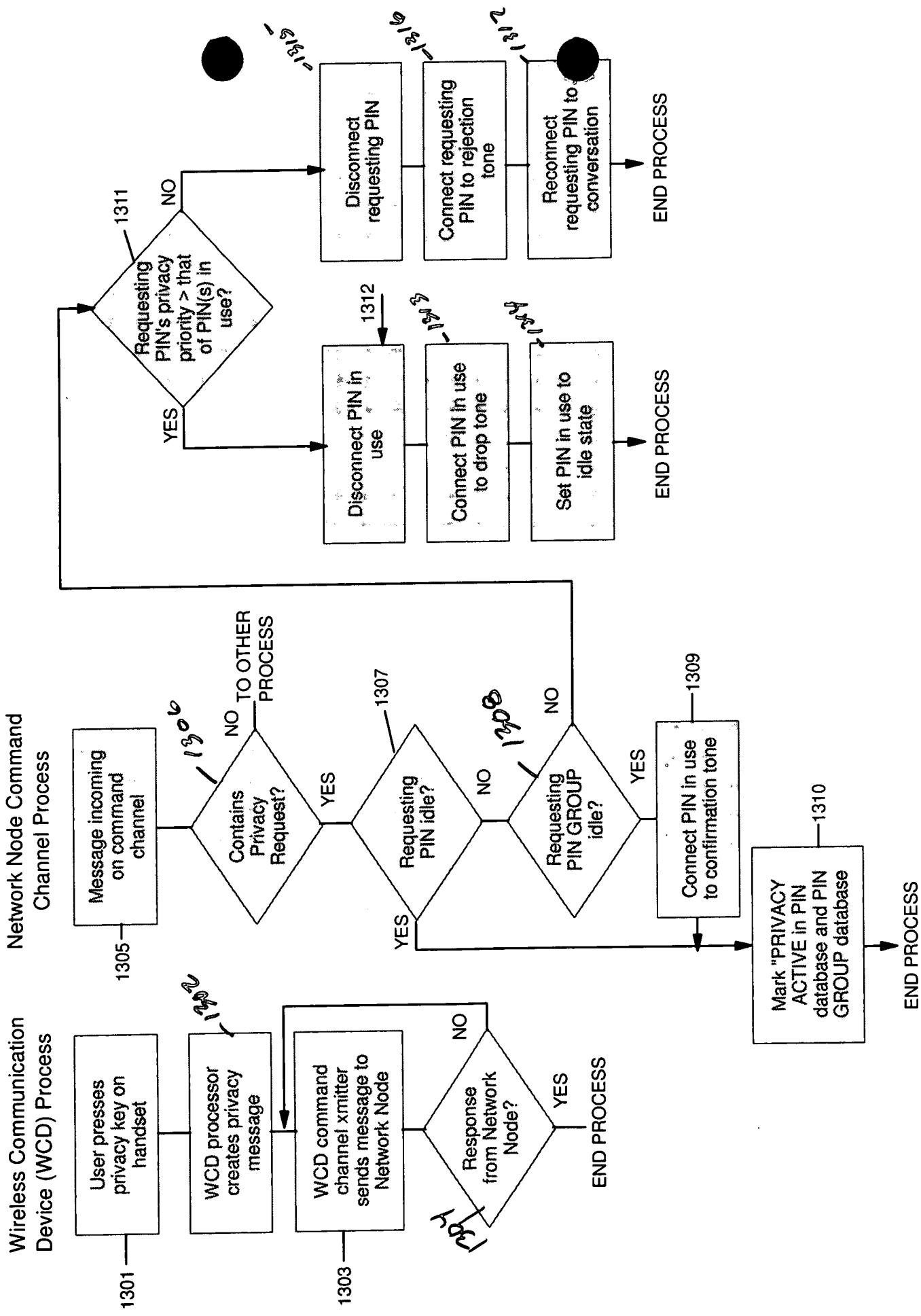
**Class of service table showing association of services to PIN #**

| PIN #                                     | First/only dedicated line # incoming/outgoing/both (additional dedicated line #, etc.) |
|---|--|
| Last dedicated line #                     | incoming/outgoing/both   |
| Privacy feature allowed                   |  |
| Privacy feature during call               |  |
| Privacy disconnect allowed                |  |
| Privacy disconnect priority               |  |
| Bridging allowed                          |  |
| Shared outgoing service allowed           |  |
| Shared outgoing service max lines         |  |
| Shared outgoing service access priority   |  |
| Shared outgoing service pre-empt priority |  |
| Shared incoming line access number        |  |
| Shared incoming service max lines         |  |
| Call waiting/notify                       | never/always/newest/oldest   |
| Camp-on allowed                           |  |
| Join allowed                              |  |

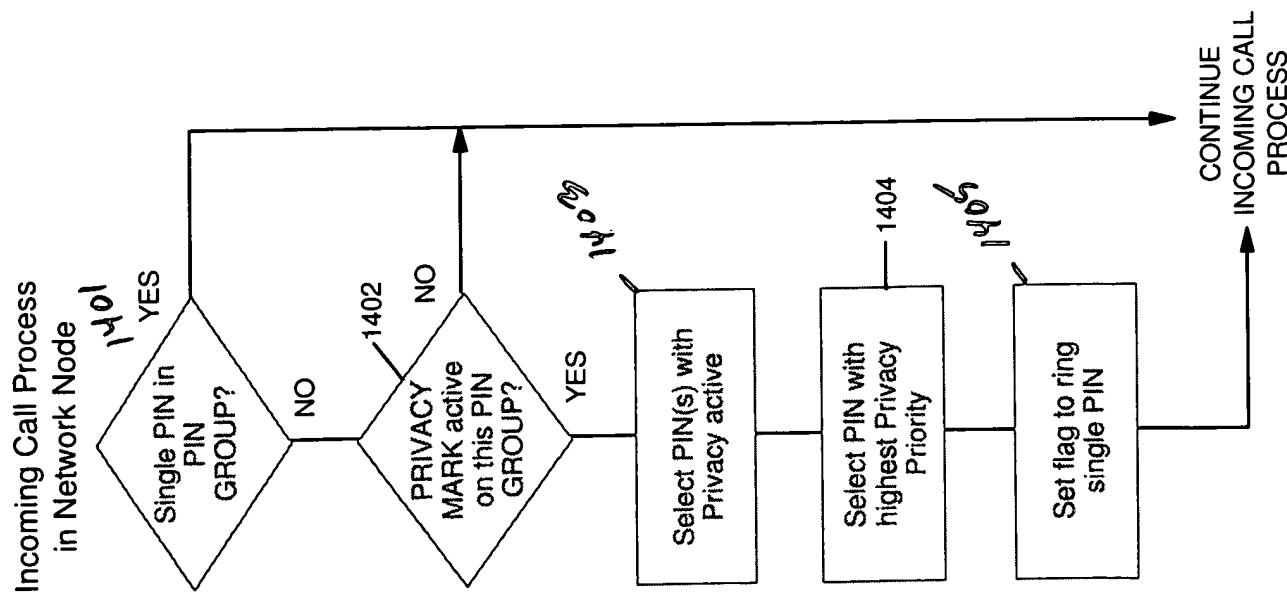
Fig. 12  
Association of dedicated and shared line(s) to PIN #s

| Incoming entity    | Priority | PIN assignment                       |
|--------------------|----------|--------------------------------------|
| 1201               |          |                                      |
| Dedicated line 1   |          | PIN xxxx                             |
| Dedicated line 2   |          | PIN aaaa; PIN yyyy, PIN zzzz; etc.   |
| ...                |          | ...                                  |
| 1203               |          |                                      |
| Dedicated line N   |          | PIN xxxx; (PIN yyyy; PIN zzzz; etc.) |
| Shared 1           |          |                                      |
| Incoming code xxxx | p        | PIN bbbb                             |
| Incoming code yyyy | p        | PIN cccc                             |
| Incoming code zzzz | p        | PIN dddd                             |
| ...                |          | ...                                  |
| 1204               |          |                                      |
| Shared 2           |          |                                      |
| Incoming code xxxx | p        | PIN bbbb                             |
| Incoming code bbbb | p        | PIN eeee                             |
| ...                |          | ...                                  |
| ...                |          | ...                                  |
| Shared N           |          |                                      |
| Incoming code 1111 | p        | PIN mmmm; (PIN yyyy; PIN zzzz; etc.) |
| Incoming code 2222 | p        | PIN nnnn; (PIN yyyy, PIN zzzz; etc.) |
| ...                |          | ...                                  |

**Fig 13.1 Privacy process chart, part 1**



**Fig 14. Privacy process charts, part 2**



**Fig 15 Privacy Requests Charts, part 3**

